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# AQUACULTURE AND HYDROPONICS: 1968-1978

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BLA-2, MAY 1979

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Science and Education Administration, Bibliographies and Literature of Agriculture, No. 2, May 1979

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Published by Technical Information Systems, Science and Education Administration, U.S. Department of Agriculture, Beltsville, Maryland 20705

Aquaculture and Hydroponics: 1968-1978

Compiled by  
Charles N. Bebee  
Automated Retrieval Section  
National Agricultural Library

Bibliographies and Literature  
of Agriculture, BLA-2, May 1979

U.S. Department of Agriculture  
Science and Education Administration  
Technical Information Systems  
Beltsville, Maryland 20705

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## PREFACE

Citations for this bibliography were pulled from the AGRICOLA citation database online. They represent:

- Articles, monographs, and series, regardless of language, indexed at the National Agricultural Library since the publication of the January 1970 issues of the Bibliography of Agriculture and the National Agricultural Library Catalog.
- Literature received more than one year after publication is generally not indexed; exceptions are made for important scientific publications.

Some duplication of citations occurs because the system requires separate entries for each of the separate files which are incorporated into AGRICOLA. The compiler has attempted purging of known duplicate entries.

The bibliography is a broad subject arrangement by categories as used in The Bibliography of Agriculture; subarrangement is alphabetical by author. A personal author index is included.

User comments and suggestions are welcomed and should be forwarded to the compiler, Charles N. Bebee.

Citations listed on pages 58 - 65 are items from old category codes 1970-1971. These cannot be sorted online and are, therefore, arranged in single alphabetical order.

Richard A. Farley  
Deputy Director  
Technical Information Systems  
Science and Education Administration  
U.S. Department of Agriculture

	SAMPLE CITATION		AGRICOLA Tape Number	
Lockheed Number				
NAL Call Number	1299904			
Personal Author	QC851.J6	Id No: 77-9092127		
Journal Title	The scales of hail .North American data.			
Abbreviation	Changnon, S A Jr			
	J Appl Meteorol	16 (6) : 626-648. Maps. Ref.	June 1977	
	QC851.J6			
NAL Call Number	Search: 19770600			
Inverted Source Date	Source: OTHER US	Doc Type: ARTICLE, REVIEW, BIB		Vol., issue no., inclusive pagination, date of publication
Category Code	Cat Code: 0505			
	Descriptors: North America			
Descriptor term(s)		Type of Document		



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## SEARCH STRATEGY

Set	Items	Description
1	90	AQUACULTUR?
2	139	WATER(F)CULTURE
3	53	WATER(F)CULTURES
4	263	HYDROPON?
5	542	1-4/+
6	256	5/MAJ
7	7	AQUICULTUR?
8	67	SOILLESS
9	324	6+7+8
10	279	9/MAJ
11	353	1+4
12	95	10-11
13	44	WATER(W)CULTURE
14	9	WATER(W)CULTURES
15	8	HYDROCULTUR?
16	467	1+4+7+8+13+14+15
17	233	16/MAJ
18	234	16/MIN
19	2	SOIL(W)LESS
20	468	16+19
21	22496	CC=55?
22	16276	CC=6020
23	20144	CC=6505
24	3443	OC=85
25	5497	OC=30
26	67250	21-25/+
27	50	20*26
28	418	20-27
29	197	28/MAJ
30	0	BEBEE/MORAN

Print 20/2/1-468

Search Time: 0.389 Prints: 468 Descs.: 20

## AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

## GENERAL AGRICULTURE

1358666 Id No: 78-9007852  
 SH1.F54 The integration of aquaculture with agriculture  
 Buck, D H  
 Fisheries 2 (6): 11-12, 14-16. Nov/Dec 1977  
 SH1.F54  
 Search: 19771200  
 Source: OTHER US Doc Type: ARTICLE  
 Cat Code: 0505

691847  
 80 R3212 Id No: 73-9149678  
 L'aquaculture, technique d'avenir; Hydroponics, crop culture  
 of the future  
 Cesar, G  
 Rev Hort Suisse 45 (5): 41-42. Feb 1973  
 80 R3212  
 Language: FRE  
 Search: 19730200  
 Doc Type: ARTICLE  
 Cat Code: 0505

1051876  
 HD1945.A115 Id No: 75-9121107  
 L'ultime reserve de l'humanite? Les fermes marines; Maritime  
 farms, the ultimate reserve of humanity? .Aquaculture.  
 Habenkorn, J P  
 Inf Agric (Paris) 461: 34-36. Sept 1975  
 HD1945.A115  
 Language: FRE  
 Search: 19750900  
 Doc Type: ARTICLE  
 Cat Code: 0505

780136  
 389.9 501B Id No: 73-9227559  
 L'aquaculture: Source nouvelle de proteines alimentaires;  
 Aquaculture: A new source of food proteins  
 Rouzaud, P  
 Bull Soc Sci Hyg Aliment 61 (1): 18-31. 1973  
 389.9 501B  
 Language: FRE  
 Search: 19730000  
 Doc Type: ARTICLE  
 Cat Code: 0505  
 Descriptors: France

1315940  
 77.910971 Id No: 77-9910971  
 Aquaculture economics research needs; report from a workshop  
 to identify aquaculture economics research needs, Atlanta.  
 Georgia -- April 23, 1976  
 Smith, F J; Roberts, K J  
 Charleston, SC, S. C. Marine Res Ctr S. C. Sea Grant Pgm.  
 Tech Rep 5, 43 p Aug 1976  
 77.910971  
 Search: 19760800  
 Source: OTHER US Doc Type: MONOGRAPH Location: AGE  
 Cat Code: 1005  
 Descriptors: Research Needs; Aquaculture

1257025  
 281.8 EK72 Id No: 77-9053494  
 Tehnicka i ekonomska procena razlicitih nacina uzgoja riba u  
 ribnjacima. 2: Technical and economic estimate of different  
 types of aquaculture in fish ponds .Farm management.  
 Apostolski, K M; Arsovski, B S  
 Ekon Poljopr 23 (5): 37-50. Eng. sum. May 1976  
 281.8 EK72  
 Language: SCR  
 Search: 19760500  
 Doc Type: ARTICLE  
 Cat Code: 1010  
 Descriptors: Yugoslavia

1330057  
 72.8 K522 Id No: 77-9117359  
 Cost accounting in exploitative aquicultural economies  
 .Irrigation economics.  
 Pinkhasov, M; Polinov, S  
 Khlopkovodstvo 8: 38-40. Aug 1976  
 72.8 K522  
 Language: RUS  
 Search: 19760800  
 Doc Type: ARTICLE  
 Cat Code: 1010; 6020



- 1267631 Id No: 77-9910337  
100 AL1H Economic comparisons of singled cropped and multiple cropped catfish production systems  
Crawford, K W  
Alabama, Agricultural Experiment Station  
Highlights Agric Res 23(3): 6 - Fall 1976  
100 AL1H  
Search: 19760000  
Source: EXP STN Doc Type: ARTICLE Location: AGE  
Cat Code: 1015  
Descriptors: Cost And Returns; Aquaculture; Alabama
- 1315913 Id No: 77-9910800  
281.9 C16 An economic evaluation of aquaculture in Ontario  
Lernier, A  
Can J Agric Econ 25(1): 74-79 Feb 1977  
281.8 C16  
Search: 19770200  
Doc Type: ARTICLE Location: AGE  
Cat Code: 1015  
Descriptors: Fisheries; Hatchery; Equipment; Labor  
Requirements; Feeding; Costs; Marketing; Consumption
- 1235744 Id No: 77-9035319  
80 W41 Costs and losses of soil and soilless media  
Poole, H A  
Florists Rev 159 (4132): 62, 87-91. Feb 10, 1977  
80 W41  
Search: 19770210  
Source: OTHER US Doc Type: ARTICLE  
Cat Code: 1015; 6005
- 1328359 Id No: 77-9910879  
SH222.A107 Analyzing a new marine business  
Smith, F J  
Oregon State University, Extension Service  
Sea Grant S G Oreg State Univ Mar Adv Program 34, 8 p  
Nov 1976  
SH222.A107  
Search: 19761100  
Source: EXT Doc Type: ARTICLE Location: AGE  
Cat Code: 1015  
Descriptors: Marine Industry; Business Management; Costs And Returns; Accounting; Resource Allocation

1222949 Id No: 77-9023843  
SF95.A1P7 Can we afford aquaculture? .Industries.  
Conklin, D E  
Prof Nutr 8 (3): 3-7. Summer 1976  
SF95.A1P7  
Search: 19760000  
Source: OTHER US Doc Type: ARTICLE  
Cat Code: 1030  
Descriptors: United States

648578 Id No: 72-9122453  
41.8 AM3 Aquaculture and mariculture: protein potentials  
Poppensiek, G C  
Amer Vet Med Assoc J 161 (11): 1467-1475. Ref. Dec 1, 1972  
41.8 AM3  
Search: 19721201  
Doc Type: ARTICLE  
Cat Code: 1030

885909 Id No: 74-9081588  
TD172.E57 Critical variables in food-item population dynamics in a wastewater aquaculture system. .Fishery products.  
Powers, J E  
Environ Prot Technol Ser EPA U S Environ Prot Agency 660/2-74-041: 497-503. June 1974  
TD172.E57  
Search: 19740600  
Doc Type: ARTICLE  
Cat Code: 1030

848697 Id No: 74-9049127  
SH1.A6 Comparison of the economic potential of aquaculture, land animal husbandry and ocean fisheries: the case of Taiwan. .Pig farming.  
Shang, Y C  
Aquaculture 2 (2): 187-195. Ref. Jun 1973  
SH1.A6  
Search: 19730600  
Doc Type: ARTICLE  
Cat Code: 1030  
Descriptors: Taiwan

1287737 Id No: 77-9081696  
 S19.A32 Role of fresh-water aquaculture in integrated rural development in India  
 Tripathi, S D  
 Agric Agroind J 9 (12): 31-32. Dec 1976  
 S19.A32  
 Search: 19761200  
 Doc Type: ARTICLE  
 Cat Code: 1030  
 Descriptors: India

871440 Id No: 74-9069210  
 12 AG8 Fish farming or aquaculture can meet future demand for protein-rich food  
 Agric News1 Neth 6: 1-4. 1974  
 12 AG8  
 Search: 19740000  
 Doc Type: ARTICLE  
 Cat Code: 1030

1181840 Id No: 76-9111663  
 SH21.15 The International Center for Aquaculture; annual report for fiscal year 1975 .Fisheries for growing protein, developing countries, programs.  
 Alabama, Agricultural Experiment Station, International Center for Aquaculture  
 Auburn 63 p. Ref. Dec 23, 1975  
 SH21.15  
 Search: 19751223  
 Source: EXP STN Doc Type: MONOGRAPH, BIB  
 Cat Code: 1030; 2505  
 Descriptors: Alabama

1318284 Id No: 77-9107328  
 381 J8223 Hydroponic growth of crops .green beans, cantaloupes, cotton. in solutions saturated with .14C.benzo.a.pyrene .Carbon isotopes.  
 Blum, S C; Swarbrick, R E  
 J Agric Food Chem 25 (5): 1093-1096. Sept/Oct 1977  
 381 J8223  
 Search: 19771000  
 Source: OTHER US Doc Type: ARTICLE  
 Cat Code: 1505

648579 Id No: 72-9122454  
 41.8 AM3 Aquaculture and associated diseases of fish of public health importance  
 Ghittino, P  
 Amer Vet Med Assoc J 161 (11): 1476-1485. Ref. Dec 1, 1972  
 41.8 AM3  
 Search: 19721201  
 Doc Type: ARTICLE  
 Cat Code: 1505

795188 Id No: 74-9004014  
 22 IN283 Protein crisis and aquaculture  
 Prasad, R R  
 Indian Farming 23 (6): 5, 38. Sept 1973  
 22 IN283  
 Search: 19730900  
 Doc Type: ARTICLE  
 Cat Code: 1510  
 Descriptors: India

#### AGRICULTURAL PRODUCTS

1051793 Id No: 75-9121024  
 501 L84B The aquacultural revolution .Cultivation of marine fish andshellfish for food.  
 Anderson, J I W  
 Proc R Soc Lond, B Biol Sci 191 (1102): 169-184. Ref. Nov 18, 1975  
 501 L84B  
 Search: 19751118  
 Doc Type: ARTICLE  
 Cat Code: 2005

1360151 Id No: 78-9009342  
 286.81 F322 Soft shell crawfish as an aquaculture food product  
 Huner, J V  
 Feedstuffs 49 (50): 28-29. Dec 5, 1977  
 286.81 F322  
 Search: 19771205  
 Source: OTHER US Doc Type: ARTICLE, REVIEW  
 Cat Code: 2005

- 1292275      Id No: 77-9084432  
QH705.F64      The food production efficiency of undomesticated species of animals from fish, aquaculture.  
Large, R V  
In Food Production and Consumption. A N. Duckham, J. G. W. Jones & E. H. Roberts, eds. p. 199-214. Ref. 1976  
QH705.F64  
Search: 19760000  
Doc Type: ARTICLE  
Cat Code: 2005
- 1255158  
157.8 R29 No.260562      Id No: 77-9682931      Book Cat: 770072 3  
Proceedings of the first International Conference on Aquaculture Nutrition, Oct. 14-15, 1975, Lewes/Rehoboth, Del. ... /; Edited by Kent S. Price, Jr., William N. Shaw, Karin S. Danberg. --  
Price, Kent S  
International Conference on Aquaculture Nutrition, 1st, Lew, Es/Rehoboth, Del., 1975.  
Newark, Del. : College of Marine Studies, University of Delaware, viii, 323 p. : ill. ; 23 cm. -- 1976.  
157.8 R29 No.260562  
77007213  
Note: Sponsored by the Sea Grant College Program. University of Delaware in cooperation with the U.S./Japan Aquaculture Panel. Includes bibliographies and indexes.  
Search: 19760000  
Source: OTHER US      Doc Type: MONOGRAPH  
Cat Code: 2005  
Descriptors: Aquaculture; Congresses.; Fishes; Feeding And Feeds; Congresses.
- 1192637  
S295.M3      Id No: 76-9121050  
Experimental aquaculture of the mussel, (*Mytilus viridis* L.) as a protein source  
Sivalingam, P M; Rajagopalan, K  
Malays Agric Res 4 (2): 137-139. Ref. Aug 1975  
S295.M3  
Search: 19750800  
Doc Type: ARTICLE  
Cat Code: 2005  
Descriptors: Malaysia
- 1224165  
SH21.I5      Id No: 77-9025072  
The International Center for Aquaculture. Annual report for fiscal year 1974

Alabama, Agricultural Experiment Station  
Auburn 11 p. 1974 (pub. May 1976)  
SH21.I5  
Search: 19760500  
Source: EXP STN      Doc Type: MONOGRAPH  
Cat Code: 2005  
Descriptors: Alabama

564904  
389.8 V89      Id No: 72-9038192  
Iodine content in vegetables grown in soil and by hydroponics  
Fomichenko, E I  
Vop Pitan 30 (5): 66-68. Ref. Eng. sum. Sept/Oct 1971  
389.8 V89  
Language: RUS  
Search: 19711000  
Doc Type: ARTICLE  
Cat Code: 2030

628959  
S544.3.H3H3      Id No: 72-9102690  
Feasibility studies in aquaculture  
Ball, J L  
Hawaii Univ Ext Misc Publ 93: 71-73. July 1972  
S544.3.H3H3  
Search: 19720700  
Source: EXT      Doc Type: ARTICLE  
Cat Code: 2035

628960  
S544.3.H3H3      Id No: 72-9102691  
Nutrition problems in aquaculture. Aquatic animals.  
Bardach, J E  
Hawaii Univ Ext Misc Publ 93: 74-78. July 1972  
S544.3.H3H3  
Search: 19720700  
Source: EXT      Doc Type: ARTICLE  
Cat Code: 2035



628961  
S544.3.H3H3 Id No: 72-9102692  
Food as the limit to commercial shrimp aquaculture: A  
challenge to the feed industry  
Condoover, R D  
Hawaii Univ Ext Misc Publ 93: 80-83. July 1972  
S544.3.H3H3  
Search: 19720700  
Source: EXT Doc Type: ARTICLE  
Cat Code: 2035

1240473  
157.8 R29 Id No: 77-9040150  
The role of the feed industry in developing formulated feeds  
for aquaculture  
MacGrath, W S Jr  
PB U S Natl Tech Inf Serv 260452: 119-123. 1976  
157.8 R29  
Search: 19760000  
Source: OTHER US Doc Type: ARTICLE  
Cat Code: 2035

1282865  
389.78 W52 Id No: 77-9076795  
Hydroponically grown forage is still with us. Grass machines.  
Anim Nutr Health 32 (2): 18-19. Mar 1977  
389.78 W52  
Search: 19770300  
Source: OTHER US Doc Type: ARTICLE  
Cat Code: 2035

#### ANIMAL SCIENCE

1276747  
105.2 OR3 Id No: 77-9072050  
Produktiviteit van en produktiemogelikheden in het  
aquatisch milieu; Productivity of production potential in  
aquaculture  
Huisman, E A  
Landbouwkd Tijdschr 88 (7): 238-242. Ref. July 1976  
105.2 OR3  
Language: DUT  
Search: 19760700  
Doc Type: ARTICLE  
Cat Code: 2505

1209421  
100 AL1H Id No: 77-9011708  
Reducing uses of energy in aquaculture  
McCoy, E W; Boutwell, J L; Jolly, C M

Alabama, Agricultural Experiment Station  
Highlights Agric Res 23 (3): 10. Fall 1976  
100 AL1H  
Search: 19760000  
Source: EXP STN Doc Type: ARTICLE  
Cat Code: 2505

1228081  
S441.R26 Id No: 77-9029023  
Aquaculture: toward an ecological approach .Fish ponds on  
farms.  
McLarney, W D  
In Radical Agriculture; R. Merrill, ed. p. 328-339. Ref.  
1976  
S441.R26  
Search: 19760000  
Source: OTHER US Doc Type: ARTICLE  
Cat Code: 2505

1286542  
SH21.I5 Id No: 77-9080497  
The International Center for Aquaculture. Annual report for  
fiscal year 1976  
Shell, E W  
Alabama, Agricultural Experiment Station; International  
Center for Aquaculture  
Auburn 15 p. Ref. 1976 (pub. 1977)  
SH21.I5  
Search: 19770500  
Source: EXP STN Doc Type: MONOGRAP  
Cat Code: 2505  
Descriptors: Alabama

1292453  
SH1.U5 Id No: 77-9084614  
Aquacultural economics bibliography  
Vondruska, J  
NOAA Tech Rep NMFS SSRF U S Natl Mar Fisheries Serv 703.  
123 p. Oct 1976  
SH1.U5  
Search: 19761000  
Source: OTHER US Doc Type: ARTICLE, BIB  
Cat Code: 2505

## PLANT SCIENCE

753027  
SH21.15 Id No: 73-9392985 Book Cat: 73012265  
Annual report  
1st - 1970/71 -  
International Center for Aquaculture; Alabama, Agricultural  
Experiment Station  
Auburn, Ala., Auburn University 1971-  
SH21.15  
73012265  
Note: Project AID/csd 2780  
Search: 19710000  
Source: EXP STN Doc Type: SERIES  
Cat Code: 2505  
Descriptions: Fish-culture

## VETERINARY MEDICINE

958405  
41.8 AM3 Id No: 75-9039506  
The challenge of aquaculture for veterinarians  
Miller, W R  
J Am Vet Med Assoc 166 (8): 790-791. Apr 15, 1975  
41.8 AM3  
Search: 19750415  
Doc Type: ARTICLE  
Cat Code: 3005

## FORESTRY

931786  
99.9 C324 Id No: 75-9014719  
Zkusenostis hydroponickym pestovanim semenacku lesnich  
drevin; Experience with hydroponic growing of forest tree  
seedlings  
Pospisil, J; Koutnik, V  
Lesnictvi 20 (7): 665-686. Ref. Eng. sum. July 1974  
99.9 C334  
Language: CZE  
Search: 19740700  
Doc Type: ARTICLE  
Cat Code: 3515

569047  
1.962 C5T71 Id No: 72-9042338  
Soiless container system developed for growing conifer  
seedlings  
White, D P; Schneider, G  
Tree Planters' Notes 23 (1): 1-4. Feb 1972  
1.962 C5T71  
Search: 19720200  
Source: USDA Doc Type: ARTICLE  
Cat Code: 3515

590878  
S590.B5 Id No: 72-9064271  
Dispositif sterile pour cultures hydroponiques; Sterile  
apparatus for hydroponic cultures. .Roots.  
Garcia, J L; Rimbault, M; Mouraret, M  
Soil Biol Int News Bull 14: 34-37. Ref. 1971?  
S590.B5  
Language: FRE  
Search: 19710000  
Doc Type: ARTICLE  
Cat Code: 4005

1276199  
SB320.A4 Id No: 77-9071490  
Utility of hydroponic cutting technique for chromosome  
number and morphology studies in Arachis .Peanuts.  
Simpson, C E; Davis, K S  
J APREA (Am Peanut Res Educ Assoc Inc) 7 (1): 1-3. Sept  
1975  
SB320.A4  
Search: 19750900  
Source: OTHER US Doc Type: ARTICLE  
Cat Code: 4020

778283  
442.8 N22 Id No: 73-9225444  
Anatomomorphological features of the roots of cucumbers and  
tomatoes under conditions of hydroponics  
Zelenina, M V  
Nauch Dokl Vyssh Shk, Biol Nauk 7: 73-77. Ref. 1973  
442.8 N22  
Language: RUS  
Search: 19730000  
Doc Type: ARTICLE  
Cat Code: 4020

Skrzeszowicki w kulturach wodnych; Inheritance of barley root systems. I. Effect of potassium and phosphorus level on growth of barley cultivar Skrzyszowicki in water culture  
Wociechowski, J; Borys, M W; Krzywanski, Z; Stroinski, A; Wojcik-Wojtkowiak, D  
Pr Poznani Tow Przyj Nauk Wydz Nauk Roln Lesn 41: 225-230. Eng. sum. 1976  
20.5 P872  
Language: POL  
Search: 19760000  
Doc Type: ARTICLE  
Cat Code: 4025; 4035

# PLANT PHYSIOLOGY AND BIOCHEMISTRY - GENERAL

693540

24 EA74 Id No: 73-9151458

Observations on the water culture technique for studying the effects of copper concentrations on Arabica coffee seedlings  
Aduayi, E A  
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## PHYSIOLOGY AND BIOCHEMISTRY OF FIELD CROPS

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Lira, E P; Freytag, A H

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14 P215BC Id No: 77-9133001

Influence des acides humiques sur la croissance du maïs cultivé en milieu hydroponique, en relation avec les conditions d'aération de ce dernier; Effect of humic acids on the growth of maize cultivated in hydroponic medium, in relation with aeration conditions of the medium

Modjtchedi, H; Juste, C

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Cat Code: 4035

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64.9 C33 Id No: 72-9088018

Stanovení vhodného živného roztoku pro pestování jarního ječmene ve vodní kultuře do plně zralosti; The determination of a suitable nutrient solution for the cultivation of spring barley in a water culture up to full ripeness

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1080631 Id No: 76-9021407  
 450 F58AE Raising barley plants in water cultures in the presence of  
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 of ammonium chloride  
 Samukawa, K  
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 Doc Type: ARTICLE, TRANSL  
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781308 Id No: 73-9228822  
 450 F58 Growth of barley plants in water culture in the presence of  
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 Samukawa, K  
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 Cat Code: 4035

855584 Id No: 74-9056376  
 450 F58AE Cultivation of barley plants in water cultures in the  
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629345 Id No: 72-9103078  
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 azucarera utilizando cultivo hidroponico; Study of the action  
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 Sanchez Conde, P; Ortega, B C; Perez Brull, I  
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605834 Id No: 72-9079312  
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 plants under conditions of water culture  
 Surgucheva, M P; Kaptsynel', I U M  
 Soviet Plant Physiol 18 (6): 999-1002. Nov/Dec 1971  
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570691 Id No: 72-9043983  
 450 F58 Transport of phosphorus of condensed phosphates into barley  
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## PHYSIOLOGY AND BIOCHEMISTRY OF HORTICULTURAL CROPS

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385 AG89 Id No: 77-9001007  
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Surgucheva, M P; Popazova, A D; Kaptsynel', I U M; Ziablova, I N  
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 Doc Type: ARTICLE  
 Cat Code: 4055  
 Descriptors: USSR

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Language: ITA

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QH540.J6

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Doc Type: ARTICLE

Cat Code: 4520

681679

SB975.B52 Id No: 73-9138925

Use of Phytoseiulus for controlling Tetranychus urticae in hydroponic greenhouse cultures of the Belaia Dacha State Farm Plotnikov, V F; Sadkovskii, V P

In Biologicheskii Metod Bor'by s Vrediteliami Ovoshchnykh Kul'tur p. 18-25. 1972

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Cat Code: 4540

Descriptors: USSR

1089481

SB951.P49 Id No: 76-9030427

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Kohli, J; Weisgerber, I; Klein, W

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## AGRICULTURAL ENGINEERING AND FARM STRUCTURES

1330064

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Descriptors: Aquaculture.; Sewage Disposal Plants; Costs.;  
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Descriptors: Sewage Sludge As Fertilizer; Grasses;  
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Doc Type: MONOGRAPH

Cat Code: 6505; 5505

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Descriptors: Mariculture; Law And Legislation; United  
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Odum, W E

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Descriptors: Aquaculture

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Descriptors: Underdeveloped Areas; Aquaculture.; Technology  
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Cat Code: 7005; 6505  
Descriptors: Aquaculture; Congresses.; Sewage As Fertilizer;  
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